



# HF Happenings 780

Volume 15, Issue 43, the week of 15 January 2018



## The Summer QRP Contest

The QRP contest is intended to be a fun activity to promote QRP operation between radio amateurs using homebuilt equipment or operating as a portable/field station and using temporary antennas. This is encouraged, but is not a requirement.

The Summer QRP Contest takes place from 12:00 to 15:00 UTC on Saturday 27 January 2018 using Phone and CW with 5 watts (PEP) output or less and there are no antenna restrictions. The first hour is limited to the 40-m band only, the remaining two hours the contestants are free to use any HF (non-WARC) band as they see fit.

The exchange is a RS or RST report and your 6 figure Grid locator, you can also include your SOTA or Fauna and Flora reference number. Each QSO counts 1 point and there are Prefix or Country multipliers as well as station type multipliers. You log in ADIF, Cabrillo or MS Excel format with a summary sheet and labelled "my call sign QRP Contest," must be submitted by 3 February 2018 by e-mail to [contest@sarl.org.za](mailto:contest@sarl.org.za). And do not forget the photos of your station in action that must accompany the log entry. Consult the 2018 SARL Blue Book for the complete set of rules.

## Operating as a Team

Consider trying something new in 2018. For example, operating with others as a team. By choosing the right contest, you can remain solitary and stoic in your shack and do not even have to enter in the multi-operator category.

- a. You encourage you Club members to participate in a contest. Each member operates from his/her QTH and submits their log sheets, marking them as members of the ZYX ARC. And in the Club Competition your Club achieves the highest score!
- b. In a multi-band contest, arrange with other Club members to work on the different single bands. Each member operates from their own QTH, after the contest the Club organiser collects the various log sheets and draws up the Club entry for submission.
- c. There's also the traditional multi-operator category, where several operators gather at one location to jointly operate. In that context it's easier to share tips and techniques and to notice small things that others do while operating that might improve your score.

## WRTC 2018

The WRTC 2018 organization has published a summary report on the activities during 2017 in preparation for the 2018 event. The document would likely be helpful to future WRTC planning committees and to

You can now download your copy of HF Happenings from  
[www.sarl.org.za/hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)

## January 2018

- 1 – New Year's Day; start of the 2018 CQ DX Marathon and the ARRL International Grid Chase
- 6 – Pretoria ARC Flea Market
- 13 and 14 – Hunting Lions in the Air
- 17 – Provincial school open
- 19 to 21 – PEARS National VHF/UHF Contest
- 20 – SDR Workshop at the NARC
- 20 and 21 – IPA Classic Car and Bike Show, Cape Town
- 20 to 28 – ZS6SRC: 30 years in Amateur radio
- 25 – Closing date for the February Radio ZS
- 27 - Summer QRP contest; Cape Town ARC meeting; International Day of Commemoration in Memory of the Victims of the Holocaust
- 30 - Closing date for proposals and synopsis for AMSAT SA Space Symposium papers
- 31 - Closing date for Nominations for Council, SARL Awards and AGM Motions

everyone provides an overview of the extensive planning and coordination that go into an event of this magnitude [http://wrtc2018.de/images/PDF/xmas2017\\_english.pdf](http://wrtc2018.de/images/PDF/xmas2017_english.pdf).

### Glossary of Contesting Terms

Pat, N9RV, maintains the Glossary of Contesting Terms included with Contest University course materials each year. What new terms will make it into the Glossary this year? [www.contestuniversity.com/wp-content/uploads/2018/01/Glossary2017rev1.pdf](http://www.contestuniversity.com/wp-content/uploads/2018/01/Glossary2017rev1.pdf).

### Word to the Wise

Prefill - From the 2017 Contest University Glossary of Contesting Terms. "Prefill refers to the features of some software packages which automatically fill in exchange information based upon information obtained either before or during the contest. Prefill software might enter "Pat" in the name field for the NA Sprint, for example, if you work N9RV, either based upon previous contests, or based on working N9RV on a different band in the current contest. If the prefill information is different from what the station actually changes, of course, it is up to the operator to manually correct it." (used with the permission of ContestUniversity.com <https://www.contestuniversity.com/>)

### The QSOtoday podcast with W7EL

Roy Lewallen, W7EL, EZNEC antenna modelling software creator and prolific author, was interviewed on the QSOtoday podcast by Eric, 4Z1UG, back in April [www.qsotoday.com/podcasts/w7el](http://www.qsotoday.com/podcasts/w7el). Roy discusses antennas, antenna modelling and touches upon the difference between models and implementation, but also touches upon feedlines, losses and how Amateur Radio has changed. He also has some advice for new Amateur Radio operators.

### Operating Tip

Avoid Exchange Ambiguity - Make sure the contest exchange that you are using is crisp and unequivocal.

### Keystroke Latency

Larry, K8UT, read the item in the *Contest Update* earlier this year regarding keystroke latency and shared his observation: "The movement from serial to UDP communication (User Datagram Protocol) must have many amateurs wondering if there is some inherent benefit/detriment to either connection. I conducted a similar latency experiment earlier this year while developing a band decoder and SO2R switch that receives commands via UDP packets. I wanted to compare the elapsed time between clicking a mouse in the program and closing an external relay on a Raspberry Pi connected by DE9 serial ports, USB serial ports, or UDP packets. A lobotomized mouse exposed its left-click button to the test computer, which closed the button and then measured click-to-close times between software initiation and contact activation. Although hardly a controlled scientific experiment - there is a long list of hardware and software differences that could contribute errors in my findings - I was happy to discover that UDP activation occurred faster than either of the other two methods."

### Ball Lightning

Ball lightning is thought to be a type of plasma, but is difficult to study since the conditions of formation are associated with lightning and thunderstorms. Researchers may have made progress in being able to reproduce the phenomenon in the form of a plasma ring that is stable in open air <http://www.caltech.edu/news/engineers-create-stable-plasma-ring-open-air-80367>. What is more, the researchers noted that their experiment also generated RF at particular frequencies.

### A Pragmatic Introduction to Signal Processing

### February

- 3 – Closing date for the Summer QRP logs; the East Rand Club's flea market
- 4 - AWA CW Activity Day; World Cancer Day
- 10 and 11 – National Field Day and the CQ WPX RTTY contest
- 11 – International Day for Women and Girls in Science
- 13 – World Radio Day
- 14 – Valentine's Day
- 15 – Closing date for PEARS VHF Logs
- 16 to 18 – KykNET Buite-expo, Western Cape, Môreson Farm, Malmesbury
- 17 - SARL Youth Sprint; Pretoria ARC rally communications at HMC
- 17 and 18 - ARRL DX CW Contest
- 19 - Closing date for Nation Field Day logs and AWA CW logs
- 21 – at 05:00 on 21 February 1917, the sinking of the SS Mendi
- 22 – closing date for the March Radio ZS
- 23 to 25 – Beeld Holiday Show, Gallagher Convention Centre
- 24 and 25 – Clarens Beer Festival
- 24 – closing date Youth logs; West Rand Flea market and CTARC meeting
- 25 – SARL Digital Contest

A Pragmatic Introduction to Signal Processing, by Tom O'Haver, Professor Emeritus, Department of Chemistry and Biochemistry, University of Maryland at College Park, is available for just a click <https://terpconnect.umd.edu/~toh/spectrum/>. The emphasis is on how real-world time-series information can be manipulated and examples are illustrated using various tools such as *MatLab*, *Octave* and Microsoft *Excel*. Professor O'Haver invites feedback through his website and Facebook group.

## Build Your Own Integrated Circuits

Some people have built their own tubes, but how many have built their own integrated circuits? No, not using discrete components, but by laying out their own masks, using vapor deposition and etching their own wafers. Probably not many, but this 17-year old high school student does and he started by reconditioning old equipment he found on auction sites <https://spectrum.ieee.org/semiconductors/devices/the-high-school-student-whos-building-his-own-integrated-circuits>.

## African DX

*Contacts with stations on the African continent count towards the SARL's All Africa Award.*

Malawi, 7Q. John, N6JW, is now (since 4 January) active as 7Q7JW. The length of his stay is not known at this time. Activity has been on 40 and 20 metres SSB. QSL via his home call sign.

Eritrea 2018 DXpedition News. Zorro, JH1AJT, and the E31A FGC Radio Team will commemorate the upcoming 14 to 23 January operation in a memory of Dave, K3LP/SK.

Added Notes: See the following URLs for special tributes in a memory of Dave, K3LP/SK:

By Tom, K8CX, <http://hamgallery.com/Tribute/K3LP>

By Paul, N6PSE, <https://n6pse.wordpress.com/2018/01/09/tribute-to-david-collingham-k3lp>

By Valerie, NV9L, [www.youtube.com/watch?v=cHPqahBWE5Q](http://www.youtube.com/watch?v=cHPqahBWE5Q)

ARRL Web Page, [www.arrl.org/news/dxpedition-leader-elite-contester-ham-radio-mentor-david-collingham-k3lp-sk](http://www.arrl.org/news/dxpedition-leader-elite-contester-ham-radio-mentor-david-collingham-k3lp-sk)

Great Interview by K3LP, [www.youtube.com/watch?v=R3fjnh7dfD0](http://www.youtube.com/watch?v=R3fjnh7dfD0)

Benin, TY. Members of the F6KOP team, the Provins ARC, will be active from Bénin between 7 and 18 March and at this stage the call sign is still pending. There will be an international team of 12 operators lead by Jean-Luc, F1ULQ. The other operators mentioned are Damien, F4AZF (Co-leader), Jo, DJ3CQ, Arno, DL1CW, Andreas, DL3GA, Henri, F1HRE, Raymond, F5MFV, Xavier, F5NTZ, Philipp, OE7PGI and possibly two others. Frank, F4AJQ is the team's pilot station. Plans are to be active with 4 stations on the air, 160 to 10 metres using CW, SSB and the digital modes (RTTY, PSK and FT8). QSL via F5GSJ, direct, by the Bureau, LoTW or their OQRS. For more details and possible updates, see <https://ty2018dx.wordpress.com>

## African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz



Mozambique, C9. Johannes, PA5X (C93PA) and Gerben, PG5M (<http://dx.to/>) will be active as C8X and C81G respectively from Ibo Island (AF-061) from 28 January to 5 February. They will operate CW, SSB and FT8 on 80 to 10 metres with two stations. QSL via Club Log's OQRS, or via home calls.

## IOTA News

"The last date for mailing applications or updates to checkpoints for inclusion in the 2018 Honour Roll and other performance tables is 31 January 2018", G3KMA posted to <https://iota-world.org/>. "If postmarked after that date, they will be processed in the normal way, but the scores will be held over to the following year's listing. It is important that participants who have not updated since the 2013 annual listings and wish to remain listed should make a submission on or before 31 January 2018.

Of interest this year is that in addition to the 2017 IOTA Contest logs a much larger number of logs of IOTA operations on Club Log have recently been made available for QSO matching". It is possible to get IOTA credits through QSO matching for irregular log names.

To facilitate this, the log names are now listed on the accepted activations tab. In order to get a match for AA1AA/P on XX-yyy with the log name AA1AA/P\_XX-yyy, the chaser must upload to Club Log a QSO with the callsign AA1AA/P\_XX-yyy. Once the match is obtained, the system will automatically use the proper callsign in the subsequent credit application. For any questions contact [info@iota-world.org](mailto:info@iota-world.org)

## Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 15 to 22 January 2018

### 4 States QRP Group Second Sunday Sprint

01:00 - 03:00 UTC 15 January

Geographic Focus: North America

Participation: Worldwide

Mode: CW, SSB

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op

Exchange: Member: RS(T), state, province or country and member no; Non-member: RS(T), state, province or country and power

Work stations: Once per band

QSO Points: 1 point per QSO with non-member; 2 points per QSO with member

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 17 January 2018

E-mail logs to: (none)

Post log summary at: <http://qrpcontest.com/4sqrp>

Mail logs to: (none)

Find rules at:

[http://www.4sqrp.com/SSS/ssss\\_rules.pdf](http://www.4sqrp.com/SSS/ssss_rules.pdf)

### QRP Fox Hunt

02:00 - 03:30 UTC 17 January

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 18 January 2018

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: [http://www.qrpxohunt.org/winter\\_rules.htm](http://www.qrpxohunt.org/winter_rules.htm)

### Phone Fray

02:30 - 03:00 UTC 17 January

Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 19 January 2018

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: [http://www.perluma.com/Phone\\_Fray\\_Contest\\_Rules.pdf](http://www.perluma.com/Phone_Fray_Contest_Rules.pdf)

### CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 – 20:00 UTC 17 January and 03:00 - 04:00 UTC 18 January

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 20 January 2018

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <http://www.cwops.org/cwt.html>

### NAQCC CW Sprint

01:30 - 03:30 UTC 18 January

Geographic Focus: Worldwide

Participation: Worldwide

Mode: CW

Bands: 80, 40, 20 m

<p>Classes: (none)        Max power: 5 watts        Exchange: RST, state, province or country and NAQCC no or power        Work stations: Once per band        QSO Points: 1 point per QSO with non-member; 2 points per QSO with member        Multipliers: Each state, province, or country once;        Key Type Mult: 2 x if straight key, 1.5 x if bug, 1 x if other        Score Calculation: Total score = total QSO points x total mults x key type mult        Submit logs by: 23:59 UTC 21 January 2018        E-mail logs to: <a href="mailto:naqcc33@windstream.net">naqcc33@windstream.net</a> and <a href="mailto:jcoreyc@gmail.com">jcoreyc@gmail.com</a>        Upload log at: <a href="http://naqcc.info/sprint_submit_log.html">http://naqcc.info/sprint_submit_log.html</a>        Mail logs to: (none)        Find rules at: <a href="http://naqcc.info/sprint/sprint201801.html">http://naqcc.info/sprint/sprint201801.html</a></p>	<p>02:30 - 03:00 UTC 19 January        Geographic Focus: North America        Participation: Worldwide        Mode: CW        Bands: (see rules)        Classes: (none)        Exchange: Serial no, name and QTH        Score Calculation: Total score = total QSO points x total mults        Submit logs by: 21 January 2018        E-mail logs to: (none)        Post log summary at: <a href="http://www.3830scores.com/">http://www.3830scores.com/</a>        Mail logs to: (none)        Find rules at: <a href="http://www.ncccsprint.com/rules.html">http://www.ncccsprint.com/rules.html</a></p>
<p>NCCC RTTY Sprint        01:45 - 02:15 UTC 19 January        Geographic Focus: North America        Participation: Worldwide        Mode: RTTY        Bands: (see rules)        Classes: (none)        Exchange: Serial no, name and QTH        Score Calculation: Total score = total QSO points x total mults        Submit logs by: 21 January 2018        E-mail logs to: (none)        Post log summary at: <a href="http://www.3830scores.com/">http://www.3830scores.com/</a>        Mail logs to: (none)        Find rules at: <a href="http://www.ncccsprint.com/rttyns.html">http://www.ncccsprint.com/rttyns.html</a></p>	<p>LZ Open Contest        18:00 – 22:00 UTC 19 January        Geographic Focus: Worldwide        Participation: Worldwide        Mode: CW        Bands: 80, 40 m        Classes: Single Op – high, low or QRP; Multi-Op        Max power: QRP: 5 W        Exchange: 3-Digit serial no, and 3-Digit serial no received from last QSO        Work stations: Once each 30 minutes        QSO Points: 1 point per QSO        Multipliers: (none)        Score Calculation: Total score = total QSO points        Submit logs by: 29 January 2018        E-mail logs to: <a href="mailto:LZ1GL@yahoo.com">LZ1GL@yahoo.com</a>        Mail logs to: (none)        Find rules at: <a href="http://www.lzopen.com/lz-open-contest/rules/rulesF.htm">http://www.lzopen.com/lz-open-contest/rules/rulesF.htm</a></p>
<p>QRP Fox Hunt        02:00 - 03:30 UTC 19 January        Geographic Focus: United States        Participation: Worldwide        Mode: CW        Bands: 80 m Only        Classes: Single Op - fox or hound        Max power: 5 watts        Exchange: RST, state, province or country, name and power output        QSO Points: 1 point per QSO        Multipliers: (none)        Score Calculation: Total score = total QSO points        Submit logs by: 03:30 UTC 20 January 2018        E-mail logs to: (see rules)        Mail logs to: (none)        Find rules at: <a href="http://www.grpfoxyhunt.org/winter_rules.htm">http://www.grpfoxyhunt.org/winter_rules.htm</a></p>	<p>Hungarian DX Contest        12:00 UTC 20 January to 11:59 UTC 21 January        Geographic Focus: Worldwide        Participation: Worldwide        Mode: CW, SSB        Bands: 160, 80, 40, 20, 15, 10 m        Classes: Single Op All Band - CW or SSB - low or high; Single Op All Band Mixed - QRP, low or high; Single Op Single Band - mixed, CW or SSB - low or high; Multi-Single - low or high; Multi-Multi; SWL        Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts        Exchange: HA: RS(T) and 2-letter county or HA-DXC member no; non-HA: RS(T) and serial no        Work stations: Once per band per mode        QSO Points: 1 point per QSO with same country; 1 point per QSO with different country, same continent; 3 points per QSO with different continent; 6 points per QSO with HA station        Multipliers: Hungarian counties, once per band; HA-DXC member numbers, once per band</p>
<p>NCCC Sprint</p>	

<p>Score Calculation: Total score = total QSO points x total mults</p> <p>Submit logs by: 4 February 2018</p> <p>E-mail logs to: <a href="mailto:hadx@mrasz.hu">hadx@mrasz.hu</a></p> <p>Upload log at: <a href="http://www.ha-dx.com/HADX/">http://www.ha-dx.com/HADX/</a></p> <p>Mail logs to: (none)</p> <p>Find rules at: <a href="http://www.ha-dx.com/HADX/html/rules_en.html">http://www.ha-dx.com/HADX/html/rules_en.html</a></p>	<p>Find rules at: <a href="http://www.ncjweb.com/NAQP-Rules.pdf">http://www.ncjweb.com/NAQP-Rules.pdf</a></p> <p>WAB 1,8 MHz Phone</p> <p>19:00 - 23:00 UTC 20 January</p> <p>Mode: SSB</p> <p>Bands: 160 m Only</p> <p>Classes: Single Op - fixed, mobile, portable; Multi-Op - fixed, mobile, portable; Low Power; SWL - fixed, mobile, portable</p> <p>Max power: non-Low: &gt;10 watts; Low: 10 watts</p> <p>Exchange: British Isles: RS, serial no and WAB square;</p> <p>Other: RS, serial no and country</p> <p>QSO Points: (see rules)</p> <p>Multipliers: (see rules)</p> <p>Score Calculation: Total score = total QSO points x total mults</p> <p>Submit logs by: 10 February 2018</p> <p>E-mail logs to: <a href="mailto:aebbooks@ntlworld.com">aebbooks@ntlworld.com</a></p> <p>Mail logs to: Tony Beardsley, G3XKT, 14 York Avenue, Sandiacre, Nottingham NG10 5HB, United Kingdom</p> <p>Find rules at: <a href="http://wab.intermip.net/Contest%20Rules.php#OtherRules">http://wab.intermip.net/Contest%20Rules.php#OtherRules</a></p>
<p>RSGB AFS Data Contest</p> <p>14:00 – 18:00 UTC 20 January</p> <p>Mode: RTTY, PSK</p> <p>Bands: 80, 40 m</p> <p>Classes: Single Op/Multi-Op – low, medium or high (see rules for team requirements)</p> <p>Max power: HP: 400 watts (RTTY), 100 watts (PSK); MP: 100 watts; LP: 10 watts</p> <p>Exchange: RST and serial no</p> <p>QSO Points: 1 point per QSO</p> <p>Multipliers: (none)</p> <p>Score Calculation: Total score = total QSO points</p> <p>Submit logs by: 23:59 UTC 21 January 2018</p> <p>Upload log at: <a href="http://www.rsgbcc.org/cgi-bin/hfenter.pl">http://www.rsgbcc.org/cgi-bin/hfenter.pl</a></p> <p>Mail logs to: (none)</p> <p>Find rules at: <a href="http://www.rsgbcc.org/hf/rules/2018/rafs.shtml">http://www.rsgbcc.org/hf/rules/2018/rafs.shtml</a></p> <p>North American SSB QSO Party</p> <p>18:00 UTC 20 January to 05:59 UTC 21 January</p> <p>Geographic Focus: North America</p> <p>Participation: Worldwide</p> <p>Awards: North America</p> <p>Mode: SSB</p> <p>Bands: 160, 80, 40, 20, 15, 10 m</p> <p>Classes: Single Op – QRP or low; Multi-Two - low</p> <p>Max operating hours: Single Op: 10 hours; Multi-Two: 12 hours</p> <p>Max power: LP: 100 watts; QRP: 5 watts</p> <p>Exchange: NA: Name and state, DC, province or country; non-NA: Name</p> <p>Work stations: Once per band</p> <p>QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station</p> <p>Multipliers: Each US state/DC (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band</p> <p>Score Calculation: Total score = total QSO points x total mults</p> <p>Submit logs by: 05:59 UTC 26 January 2018</p> <p>E-mail logs to: (none)</p> <p>Upload log at: <a href="http://www.ncjweb.com/naqplogsubmit/">http://www.ncjweb.com/naqplogsubmit/</a></p> <p>Mail logs to: Bill Lippert, AC0W, 2013 6th Avenue SE, Austin, MN 55912-4321, USA</p>	<p>Find rules at: <a href="http://www.ncjweb.com/NAQP-Rules.pdf">http://www.ncjweb.com/NAQP-Rules.pdf</a></p> <p>Feld Hell Sprint</p> <p>20:00 - 23:59 UTC (EU - AF) and 23:00 UTC 20 January to 02:59 UTC 21 January (ENA - ESA) and 02:00 - 05:59 UTC 21 January (WNA – OC - AS)</p> <p>Geographic Focus: Worldwide</p> <p>Participation: Worldwide</p> <p>Mode: Feld Hell</p> <p>Bands: 160, 80, 40 m</p> <p>Classes: (none)</p> <p>Max power: Standard: 100 watts; QRP: 5 watts</p> <p>Exchange: (see rules)</p> <p>Work stations: Once per band</p> <p>QSO Points: (see rules)</p> <p>Bonus Points: (see rules)</p> <p>Multipliers: (see rules)</p> <p>Score Calculation: (see rules)</p> <p>Submit logs by: 25 January 2018</p> <p>Upload log at: <a href="https://sites.google.com/site/feldhell-club/">https://sites.google.com/site/feldhell-club/</a></p> <p>Mail logs to: (none)</p> <p>Find rules at: <a href="https://sites.google.com/site/feldhell-club/Home/contests/sprints/low-down-sprint">https://sites.google.com/site/feldhell-club/Home/contests/sprints/low-down-sprint</a></p> <p>Classic Exchange, CW</p> <p>13:00 UTC 21 January to 08:00 UTC 22 January and 13:00 UTC 23 January to 08:00 UTC 24 January</p> <p>Geographic Focus: Worldwide</p> <p>Participation: Worldwide</p> <p>Mode: CW</p> <p>Bands: 160, 80, 40, 20, 15, 10, 6, 2 m</p> <p>Classes: (none)</p> <p>Exchange: Name, RST, state, province or country and rcvr/xmtr manuf/model</p>

Work stations: Once per band per mode per rcr/xmtr manuf/model  
 QSO Points: (see rules)  
 Multipliers: (see rules)  
 Score Calculation: Total score = sum (total mode QSO points x total mode mults) and Bonus Points  
 Submit logs by: 30 April 2018  
 E-mail logs to: [k2rp@arrl.net](mailto:k2rp@arrl.net)  
 Mail logs to: K2RP, 659 Shanas Lane, Encinitas, CA 92024, USA  
 Find rules at: <http://www.clasicexchange.org/jan18/jan18ann.html>

Run for the Bacon QRP Contest  
 02:00 - 04:00 UTC 22 January  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Band; All Band  
 Max power: 5 watts  
 Exchange: RST, state, province or country and member no or power  
 Work stations: Once per band  
 QSO Points: 1 point per QSO with non-member; 3 points per QSO with member on same continent; 5 points per QSO with member on different continent  
 Multipliers: Each state, province, or country once;  
 Multiply mults by 2 if >50 members worked  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 28 January 2018  
 E-mail logs to: (none)  
 Upload log at: <http://qrpcontest.com/pigrun/autolog.php>  
 Mail logs to: (none)  
 Find rules at: <http://qrpcontest.com/pigrun/>

### 3Y0Z Bouvet DXpedition News (posted 9 January)

Your Invitation to Follow Us [edited]. The 3Y0Z team will be using a Garmin (formerly DeLorme) InReach SE satellite tracking device that will enable you to follow along with us and see our travel route on a near-real time map as we journey to the "Most Remote Place on Earth."

Hal, W8HC, will activate an InReach SE when he leaves his WV QTH on 9 January and will leave it "on" during the trip (while moving) until the team is on Bouvet Island.

This device uses Iridium satellite technology and is set to send a "way point" along the route every 30 minutes. These points will show up on our Bouvet "MapShare" website, as we travel to Chile and eastward on our vessel, the Betanzos on the 10 to 12-day journey across the South Atlantic and onto our ultimate destination — Bouvet Island.

If all is working properly, and the device has good visibility with the satellites, our MapShare viewers will be able to see our current position, including GPS coordinates and speed. You will be able to enjoy the full resolution capabilities with Topo and Aerial view options provided and can toggle-in and toggle-out of the website's detailed Google map. In addition to the MapShare, we will be using the InReach device to send messages along the way to provide updates and important information. These messages will show up on the MapShare route as small blue rectangular boxes, which viewers can click to read.

We will also have the option to post messages to our social media outlets – Facebook [www.facebook.com/groups/639362206232014](https://www.facebook.com/groups/639362206232014) and Twitter [https://twitter.com/Bouvet\\_3Y0Z](https://twitter.com/Bouvet_3Y0Z). Please bookmark our Bouvet MapShare website <https://share.garmin.com/bouvet> or (on their Web page) click on the globe icon at the left, above.

We cordially invite you to "journey" with the 3Y0Z Team... follow along with us on this incredible DXpedition to Bouvet Island!

The 3Y0Z team will be active as 3G9A/mm during their voyage aboard the MV Betanzos from King George Island (South Shetlands) to Bouvet. QSL via N2OO.

Press Release #11, dated 13 January. Heavy sea ice east and north of King George Island has made navigation between King George Island and Bouvet slow and of increased risk. We will therefore depart from Punta Arenas and sail directly to Bouvet. This has necessitated changes to preparations. That process is underway and moving as fast as possible. Our sailing time to Bouvet is now estimated at 14 days. We estimate that our sailing date and date of starting the activity will move back 24 to 36 hours. Our date of closing down will be extended as necessary to provide everyone with the best possible chance of working Bouvet. (*Or to provide Bouvet with the best chance of working everybody!*)

Bob, K4UEE, Erling, LA6VM and Ralph, KOIR

### Next Week's Contests

Classic Exchange, CW 13:00 UTC 21 January to 08:00 UTC 22 January and 13:00 UTC 23 January to 08:00 UTC 24 January  
SKCC Sprint, 00:00 - 02:00 UTC 24 January  
NAQCC CW Sprint, 01:30 - 03:30 UTC 24 January  
QRP Fox Hunt, 02:00 - 03:30 UTC 24 January  
Phone Fray, 02:30 - 03:00 UTC 24 January  
CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 24 January and 03:00 - 04:00 UTC 25 January  
NCCC RTTY Sprint, 01:45 - 02:15 UTC 26 January  
QRP Fox Hunt 02:00 - 03:30 UTC 26 January  
NCCC Sprint 02:30 - 03:00 UTC 26 January  
CQ 160-Meter CW Contest, 22:00 UTC 26 January to 22:00 UTC 28 January  
Montana QSO Party, 00:00 - 24:00 UTC 27 January  
REF CW Contest, 06:00 UTC 27 January to 18:00 UTC 28 January  
BARTG RTTY Sprint, 12:00 UTC 27 January to 12:00 UTC 28 January  
UBA DX SSB Contest, 13:00 UTC 27 January to 13:00 UTC 28 January  
Winter Field Day, 19:00 UTC 27 January to 19:00 UTC 28 January

*Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter*

